



Advanced Search

THE ACM DIGITAL LIBRARY

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

SEARCH

Words or Phrases

Find with

all of this text (and)

any of this text (or)

none of this text (not)

Names

Find with
namesusing ☒ all ☐ any ☐ none of the names

Keywords

Find author's
keywordsusing ☒ all ☐ any ☐ none of the
keywords

Affiliations

Find company or
schoolusing ☒ all ☐ any
☐ none of the affiliations

Publication

Find
publicationusing ☒ all ☐ any ☐ none of the
namesFind
publisherusing ☒ any ☐ none of the names

Published since

Published before In publication
types

- ☐ Journal ☐ Proceeding ☐ Transaction ☐ Magazine
☐ Newsletter

Conference

Find sponsor
namesusing ☒ all ☐ any ☐ none of the
namesFind
locationusing ☒ any ☐ none of the locations

Find year (yyyy)

using ☒ any ☐ none of the years

Identification codes

Find ISBN/
ISSNFind
DOI



Advanced Search

THE ACM DIGITAL LIBRARY

No results were found.

Please revise or [start a new search instead](#)

Enter words, phrases or names below to revise your search.

Surround phrases or full names with double quotation marks.

Edit the query directly, or use the form below

("custom tag" and parser and client and server and browser and trees and executable) and ("document object model" or DOM) and (not patent)

SEARCH

Words or Phrases

Find with

all of this text (and)

any of this text (or)

none of this text (not)

Keywords

Find author's
keywords

using ☐ all ☐ any ☐ none of the
keywords

Names

Find with
names

using ☐ all ☐ any ☐ none of the names

Affiliations

Find company or
school

using ☐ all ☐ any
☐ none of the affiliations

Publication

Find
publication

using ☐ all ☐ any ☐ none of the
names

Find
publisher

using ☐ any ☐ none of the names

Published since

Published before

In publication
types

- ☐ Journal ☐ Proceeding ☐ Transaction ☐ Magazine
☐ Newsletter

Conference

Find sponsor
names

using ☐ all ☐ any ☐ none of the
names

Find
location

using ☐ any ☐ none of the locations

Find year (yyyy)

using ☐ any ☐ none of the years

Identification codes

Find ISBN/
ISSN

Find
DOI

Computing Classification System (CCS)

Find node

Find subject/
noun

☐ Look at primary category only

Required components

Results must have ☐ Full Text ☐ Abstract

☐ Review

Submit

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2008 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Computing Classification System (CCS)

Find node

Find subject/
noun

☐ Look at primary category only

Required components

Results must have ☐ Full Text ☐ Abstract

☐ Review



The ACM Portal is published by the Association for Computing Machinery. Copyright © 2008 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)